

Claim Amendments

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently Amended) A process for preparing a chopped strand mat, comprising:

- forming a dispersion of chopped strands in a white water;
- dispersing sizing the chopped strands by addition of white water, chopped strands that are dried after sizing with a sizing liquid comprising consisting essentially of an organosilane, and a film former and at least one agent selected from the group consisting of a plasticizer, a lubricant and an antistatic agent; then
 - forming a web by passing the dispersion over a forming wire through which the white water is drained, the strands being retained on said wire; then
 - applying a binder; and then
 - heat treating the chopped strand mat.

Claim 2. (Previously Presented) The process as claimed in claim 1, wherein the dried chopped strands comprise less than 0.2 % water by weight.

Claim 3. (Previously Presented) The process as claimed in claim 2, wherein the dried chopped strands contain less than 0.1 % water by weight.

Claim 4. (Currently Amended) The process as claimed in claim 1, wherein the film former has a molecular mass ~~of between~~ ranging from 10000 ~~and to~~ 100000 and, after drying at 105° C for 2 hours, has a solubility in acetone at 20° C ranging from 50 to 95 %.

Claim 5. (Previously Presented) The process as claimed in claim 1, wherein the strands have a length ranging from 20 mm to 110 mm.

Claim 6. (Currently Amended) The process as claimed in claim 1, wherein, on passing onto the forming wire, the strands are dispersed in white water in an amount ranging from 0.06 to 1% by weight of the sum of the weights of the strands and of the white water.

Claim 7. (Currently Amended) The process as claimed in claim 6, wherein, on passing onto the forming wire, the strands are dispersed in white water in an amount ranging from 0.1 to 1 % by weight of the sum of the weights of the strands and of the white water.

Claim 8. (Currently Amended) The process as claimed in claim 1, wherein the white water comprises a thickener in an amount such that the white water has a viscosity at 20° C ~~of~~ between ranging from 1 ~~and to~~ 20 mPa.s.

Claim 9. (Currently Amended) The process as claimed in claim 8, wherein the white water comprises a thickener in an amount such that the white water has a viscosity at 20° C ~~of~~ between ranging from 5 ~~and to~~ 12 mPa.s.

Claim 10. (Currently Amended) The process as claimed in claim 1, wherein the binder is applied in an amount such that the mat comprises ~~between~~ from 2 and to 20 % binder by weight.

Claim 11. (Currently Amended) The process as claimed in claim + 10, wherein the binder is applied in an amount such that the mat comprises ~~between~~ from 3 and to 6 % binder by weight.

Claim 12. (Currently Amended) The process as claimed in claim 1, wherein the heat treating step is carried out by heating at a temperature ranging from ~~between~~ 140 and to 250° C.

Claim 13. (Currently Amended) The process as claimed in claim 1, wherein the mat has a mass per unit area ranging from ~~of between~~ 50 and to 1100 g/m².

Claim 14. (Currently Amended) The process as claimed in claim 13, wherein the mat has a mass per unit area ranging from ~~of between~~ 70 and to 150 g/m².

Claim 15. (Previously Presented) The process as claimed in claim 1, wherein the strands comprise glass.

Claim 16. (Previously Presented) The process as claimed in claim 15, wherein, at the moment of their dispersion in the white water, the sized, chopped and dried strands comprise 99 % glass by weight.

Claim 17. (Previously Presented) The process as claimed in claim 1, wherein the strands comprise 10 to 300 filaments.

Claim 18. (Previously Presented) The process as claimed in claim 1, wherein the chopped strand/white water dispersion is permanently at a temperature ranging from 10° C to 50° C.

Claim 19. (Withdrawn) A chopped glass strand mat, wherein the mass per unit area of the mat varies by less than 20 % over its surface of the mat and at least 80 % by weight of the filaments comprised in the mat are in the form of strand comprising at least 10 filaments.

Claim 20. (Withdrawn) The mat as claimed in claim 19, wherein the mass per unit area varies by less than 10 % over the surface of the mat.

Claim 21. (Withdrawn) The mat as claimed in claim 20, wherein the mass per unit area varies by less than 5 % over its surface.

Claim 22. (Withdrawn) The mat as claimed in claim 19, wherein at least 90 % by weight of the filaments are in the form of strand comprising at least 10 filaments.

Claim 23. (Withdrawn) The mat as claimed in claim 19, wherein at least 90% by weight of the filaments are in the form of strand comprising at least 25 filaments.

Claim 24. (Withdrawn) The mat as claimed in claim 19, wherein said mat has a mass per unit area of between 50 and 1100 g/m².

Claim 25. (Withdrawn-Currently Amended)The mat as claimed in claim 24, wherein
said mat has a mass per unit area ~~of between~~ ² ranging from 70 and to 150 g/m².